## Request for City Council Committee Action
## From the Department of Public Works

**Date:** December 16, 2003
**To:** Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
**Referral to:** Honorable Barb Johnson, Chair Ways & Means Committee

**Subject:** **RFP for the Fridley Water Works Plant Chemical Alternatives Assessment**

**Recommendation:**
Authorize distribution of a Request For Proposals for consulting services to perform an assessment of the risk and alternatives for chemical disinfectant use at the Fridley Filtration Plant. Funds are available within the existing project budget (Water 7400/950/9515/C5200024).

**Prepared by:** Annika Van Gelder, Engineering Services, 661-4975
**Approved by:**

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Klara A. Fabry, P.E., City Engineer, Director of Public Works
**Presenters:** Adam Kramer, P.E., Director of Water Services Division

**Financial Impact** (Check those that apply)

_X No financial impact - or - Action is within current department budget.
(If checked, go directly to Background/Supporting Information)

___ Action requires an appropriation increase to the Capital Budget
___ Action requires an appropriation increase to the Operating Budget
___ Action provides increased revenue for appropriation increase
___ Action requires use of contingency or reserves
___ Other financial impact (Explain):

___Request provided to the Budget Office when provided to the Committee Coordinator

**Background/Supporting Information:**

The Fridley Filtration Plant (FFP) employs chemical disinfection as a key element in providing high quality water to Minneapolis citizens. From 2005 - 2008, the City is planning to construct a membrane filtration facility at the Fridley location. In order to minimize production shutdown and to ensure all systems are compatible, improvements to the chemical disinfectant system need to be made in conjunction with the membrane plant construction.

The project will seek to perform a comparative risk analysis and determine planning-level probable costs of the following scenarios:

- Maintaining the existing chemical system as-is.
- Protecting (and enclosing) the existing chemical system and entrance.

- Converting to a smaller chemical container facility either by
  - converting the existing chemical storage and feed area at the FFP or,
  - building a new facility (integrated/coordinated with the planned new Fridley Membrane Filtration Plant).
- Conversion to an alternate chemical (integrated/coordinated with the planned new Fridley Membrane Filtration Plant).

The risk evaluation will result in a defensible comparison of risk between the scenarios and understanding of City's risk and liabilities as a chemical user in Twin Cities Metro area. Upon evaluation of risk and an estimation of cost for the above scenarios, the proper course of future action will be selected. Future improvements will be incorporated with the membrane plant design and construction if appropriate.

**Current Request**

Public Works is soliciting proposals for engineering consulting services to perform an assessment of the risk and alternatives for chemical disinfectant use at the FFP.

This will follow the normal City review process, including review by the Permanent Review Committee.